



RECEIVED
MAY 6 8 2003
SUP

MAY 08 2003
GROUP 1700
/SB/08A (10-01)
OMB 0651-0031
DE COMMERCE

PTD/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. DEPARTMENT OF COMMERCE

Approved for use through 10/31/2002. OMB 0651-0037
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
is required to respond to a collection of information unless it contains a valid OMB

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|---|-------------------|---|
| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | |
| (use as many sheets as necessary) | | | |
| Sheet | 1 | of | 2 |
| Application Number 10/039,094 | | | |
| Filing Date 01/02/2002 | | | |
| First Named Inventor Benda, et al. | | | |
| Art Unit 1731 | | | |
| Examiner Name | | | |
| Attorney Docket Number 67007-005 | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------------|----------------------|--|--------------------------------|--|---|------------------------|
| Examiner Initials ¹ | Cite No ¹ | Foreign Patent Document Country/City ³ - Number ⁴ - Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | File Copy ⁶ |
| | | | | | | |

| | | | |
|-----------------------|---|--------------------|---------|
| Examiner Signature |  | Date Considered | 9-24-03 |
|-----------------------|---|--------------------|---------|

***EXAMINER** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number [optional]. ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



MAY 05 2003

Please type a plus sign (+) inside this box →

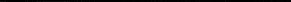
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

P10-SB/08B (98-00)

PTO:SB/08B (98-00)
1/2002 OMB 0551-0034
U.S. DEPARTMENT OF COMMERCE
and OMB control number

| | | | |
|--|---|--------------------------|--------------|
| Substitute for form 1449B/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | Application Number | 10/039,094 |
| | | Filing Date | 01-02-2002 |
| | | First Named Inventor | Benda, et al |
| | | Group Art Unit | 1731 |
| | | Examiner Name | Unknown |
| Sheet | 2 | of | 2 |
| | | Attorney Docket Number | |
| | | 67.007-005: R-4269 | |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| | | | |
|-----------------------|---|--------------------|---------|
| Examiner Signature |  | Date Considered | 9-26-03 |
|-----------------------|---|--------------------|---------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPFP 609. Draw line through citation if not in conformance and do not consider. Include copy of this form with next communication to applicant.

¹ Unique citation designation number ² Applicant is to place a check mark here if English language Translation is attached

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



| | | | | | |
|--|---|----|---|--------------------------|--------------------|
| Substitute for form 1449A/PTO | | | | <i>Complete if Known</i> | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Application Number | 10/039,094 |
| | | | | Filing Date | 01/02/2002 |
| | | | | First Named Inventor | Benda, et al. |
| | | | | Group Art Unit | 1731 |
| | | | | Examiner Name | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 67,007-005; R-4269 |

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature Date Considered 9-03

***EXAMINER:** Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → JUN 05 2002

PTO/SB/08B (08-00)
Approved for use through 10/31/2002, OMB D651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|---|--------------------------|--|
| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | |
| Sheet | 1 | of | 1 |
| | | Application Number | 10/039,094 |
| | | Filing Date | 01/02/2002 |
| | | First Named Inventor | Benda, et al. |
| | | Group Art Unit | 1731 |
| | | Examiner Name | Unknown |
| | | Attorney Docket Number | JUN 11 2002 TC 11 67,007-005; R-4269 |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | |
|---|-----------------------|---|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| | | Publication entitled "IN-FIBER MACH-ZEHNDER INTERFEROMETER BASED ON A PAIR OF LONG-PERIOD GRATINGS" by E.M. Dianov, S.A. Vasiliev, A.S. Kurkov, O.I. Medvedkov, V.N. Protopopov (con't) |
| | | (con't) MoB.3.6 22nd European Conference on Optical Communication - ECOC'96, Oslo |
| | | Publication entitled "NOVEL TECHNIQUE FOR MEASURING THE RESIDUAL STRESS AND THE PHOTOELASTIC EFFECT PROFILE OF AN OPTICAL FIBER," by Y. Park, T.-J. Ahn, Y.H. Kim, W.-T. Han, U.-C. Paek, D.Y. Kim |
| | | OFC' 96 Technical Digest, Thursday Afternoon, Pages 267-269 |
| | | Publication entitled "LONG-PERIOD FIBRE GRATING FABRICATION WITH FOCUSED CO ₂ LASER PULSES," by D.D. Davis, T.K. Gaylord, E.N. Glytsis, S.G. Kosinski, S.C. Mettler and A.M. Vengsarkar, ELECTRONICS LETTERS, 5th February 1998, Vol. 34, No. 3 |
| | | OFC '98 Technical Digest, Thursday Morning, Pages 278-279 |
| | | Publication entitled "LONG-PERIOD FIBER-GRATING DEVICES BASED ON LEAKY CLADDING MODE COUPLING," by D.B. Stegall and T. Erdogan |
| | | No Date |
| | | Publication entitled "TEMPERATURE STABILITY AND MECHANICAL STRENGTH OF LONG-PERIOD FIBER GRATINGS FABRICATED WITH CO ₂ LASER," by Y.G. Han, H.S. Park, W.T. Han, B.H. Lee, U.C. Paek and Y. Chung |
| | | No Date |
| | | Publication entitled "LONG-PERIOD FIBER GRATINGS BASED ON ARC-INDUCED MICROBENDS," by In Kag Hwang, Seok Hyun Yun, Hyo Sang Kim and Byoung Koon Kim (con't) |
| | | (con't) Third Optoelectronics and Communications Conference (OECC '98) Technical Digest, July 1998, Makuhari Messe |

| | | | |
|--------------------|--------------------|-----------------|---------|
| Examiner Signature | <i>[Signature]</i> | Date Considered | 9-24-03 |
|--------------------|--------------------|-----------------|---------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

COPY OF PAPER
ORIGINALLY FILED